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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/021,906
				Filing Date	December 12, 2001
				First Named Inventor	Chee et al.
				Group Art Unit	1656 1637
				Examiner Name	Not Yet Assigned Teresa Stnelella
Sheet	1	of	7	Attorney Docket Number	A-67991-3/RMS/DCF

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document -		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TS	1	4,200,110		Peterson et al.	4/1980	
	2	4,499,052		Fulwyler	2/1985	
	3	4,682,895		Costello	7/1987	
	4	4,785,814		Kane	11/1988	
	5	4,822,746		Walt	4/1989	
	6	4,824,789		Yafuso et al.	4/1989	
	7	4,999,306		Yafuso et al.	3/1991	
	8	5,002,867		Macevicz	3/1991	
	9	5,028,545		Soini	7/1991	
	10	5,105,305		Betzig et al.	4/1992	
	11	5,114,864		Walt	5/1992	
	12	5,132,242		Cheung	7/1992	
	13	5,143,853		Walt	9/1992	
	14	5,194,300		Cheung	3/1993	
TS	15	5,244,636		Walt et al.	9/1993	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				
TS	16	EP	0 269 764	A1	Molecular Biosystems, Inc.	6/1988		
I	17	EP	0 392 546	A2	Drmanac et al.	10/1990		
I	18	EP	0 478 319	A1	Kabushiki Kaisha Toshiba	4/1992		
I	19	EP	0 723 146	A1	SRI International	7/1996		
TS	20	WO	89/11101	A1	Dynal A.S.	11/1989		
	21	WO	93/02360	A1	Transmed Biotech Incorporated	2/1993		
	22	WO	96/03212	A1	Brenner	2/1996		
	23	WO	97/14028	A2	Luminex Corp.	4/1997		
	24	WO	97/46704	A1	Lynx Therapeutics	12/1997		
	25	WO	97/40385	A1	Seul, M.	10/1997		
TS	26	WO	98/40726	A1	Trustees of Tufts College	9/1998		

Examiner Signature	Teresa Stnelella	Date Considered	3/26/03
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Application Number		10/021,906			
Filing Date		December 12, 2001			
First Named Inventor		Chee et al.			
Group Art Unit		1656 1637			
Examiner Name		Not Yet Assigned Teresa Stuebel			
Attorney Docket Number		A-67991-3/RMS/DCF			
Sheet	2	of	7		

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		Number	Kind Code ² (if known)				
TS	27	5,244,813		Walt et al.	9/1993		
	28	5,250,264		Walt et al.	10/1993		
	29	5,252,494		Walt	10/1993		
	30	5,254,477		Walt	10/1993		
	31	5,298,741		Walt et al.	3/1994		
	32	5,302,509		Cheeseman	4/1994		
	33	5,320,814		Walt et al.	6/1994		
	34	5,357,590		Auracher	10/1994		
	35	5,380,489		Sutton et al.	1/1995		
	36	5,435,724		Goodman et al.	7/1995		
	37	5,474,895		Ishii et al.	12/1995		
	38	5,481,629		Tabuchi	1/1996		
	39	5,494,798		Gerdt et al.	2/1996		
	40	5,496,997		Pope	3/1996		
	41	5,512,490		Walt et al.	4/1996		
	42	5,516,635		Ekins et al.	5/1996		
	TS	43	5,565,324		Still et al.	10/1996	

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		Office ³	Number ⁴	Kind Code ² (if known)				
	44	WO	98/50782	A3	Trustees of Tufts College	11/1998		
	45	WO	98/53093	A1	Bioarray Solutions-LLC	11/1998		
	46	WO	98/53300	A2	Lynx-Therapeutics, Inc.	11/1998		
	47	WO	99/18434	A1	Trustees of Tufts College	4/1999		
	48	WO	99/60170	A1	Hyseq Inc.	11/1999		
TS	49	WO	99/67414	A1	Glaxo Group Ltd.	12/1999		
	50	WO	99/67641	A2	Illumina Inc.	12/1999		
	51	WO	00/04372	A1	Univ. of Texas	1/2000		
TS	52	WO	00/13004	A2	Trustees of Tufts College	3/2000		

Examiner Signature	Teresa Stuebel	Date Considered	3/16/03
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Application Number	10/021,906
Filing Date	December 12, 2001
First Named Inventor	Chee et al.
Group Art Unit	4656-1637
Examiner Name	Not Yet Assigned Teresa Stuebele
Attorney Docket Number	A-67991-3/RMS/DCF

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TS	53	5,573,909		Singer et al.	11/1996	
	54	5,575,849		Honda et al.	11/1996	
	55	5,763,175		Brenner	11/1995	
	56	5,604,097		Brenner	10/1994	
	57	5,633,972		Walt et al.	5/1997	
	58	5,639,603		Dower et al.	6/1997	
	59	5,656,241		Seifert et al.	8/1997	
	60	5,690,894		Pinkel et al.	11/1997	
	61	5,780,231		Brenner	11/1995	
	62	5,795,714		Cantor et al.	11/1992	
	63	5,814,524		Walt	10/1998	
	64	5,840,256		Demers et al.	11/1998	
	65	5,854,684		Stabile et al.	12/1998	
	66	5,863,708		Zanzucchi et al.	1/1999	
	67	5,888,723		Sutton et al.	3/1999	
	68	5,900,481		Lough et al.	5/1999	
TS	69	6,023,540		Walt et al.	2/2000	

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TS	70	WO	00/16101	A2	Trustees of Tufts College	3/2000		
	71	WO	00/39587	A1	Illumina Inc.	7/2000		
	72	WO	00/47996	A2	Illumina Inc.	8/2000		
	73	WO	00/48000	A1	Illumina Inc.	9/2000		
	74	WO	00/63437	A2	Illumina Inc.	10/2000		
TS	75	WO	00/71243	A1	Illumina Inc.	11/2000		

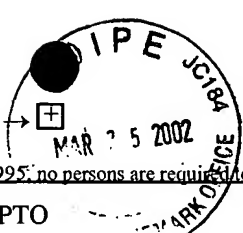
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Application Number	10/021,906
Filing Date	December 12, 2001
First Named Inventor	Chee et al.
Group Art Unit	4656-1637
Examiner Name	Not Yet Assigned Teresa Stnelecia
Attorney Docket Number	A-67991-3/RMS/DCF

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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
IS	76	6,013,456		Akgavan-Tafti	01/2000	
	77	6,051,380		Sosnowski et al.	04/2000	
	78	6,110,678		Weisburg et al.	08/2000	
	79	6,172,218	B1	Brenner	01/2001	
	80	6,083,763		Balch	07/2000	
	81	5,494,810		Barany et al.	02/1996	
	82	5,830,711		Barany et al.	11/1998	
	83	6,027,889		Barany et al.	02/2000	
	84	6,054,564		Barany et al.	0/2000	
	85	6,251,639	B1	Kurn	06/2001	
IS	86	6,268,148	B1	Barany et al.	07/2001	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ² (if known)				
	87	WO	98/13523	A1	Pyrese-Quencing AB	04/1998		
	88	WO	93/25563	A1	City of Hope	12/1993		
	89	WO	97/31256	A2	Cornell Research Foundation	08/1997		
TS	90	WO	00/58516	A2	Whitehead Institute for Biomedical Research	10/2000		
TS	91	WO	00/71992	A1	Illumina Inc.	11/2000		
TS	92	WO	98/31836	A1	Hyseq Inc.	07/1998		

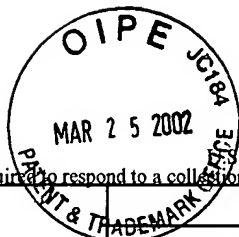
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	93	5,679,524		Nikiforov et al.	10/1997	
	94	5,856,083		Chelsky et al.	01/1999	
	95	5,858,732		Solomon et al.	01/1999	
TS	96	5,516,635		Ekins et al.	05/1996	
	97	5,518,883		Soini	05/1996	
	98	5,541,311		Dahlberg et al.	07/1996	
	99	5,554,516		Kacian et al.	09/1996	
	100	5,660,988		Duck et al.	08/1997	
IS	101	5,854,033		Lizardi	12/1998	

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		Office ³	Number ⁴	Kind Code ² (if known)				
TS	102	WO	00/71995	A2	Illumina Inc.	11/2000		
TS	103	WO	00/75373	A2	Illumina Inc.	12/2000		
	104	WO	96/30392			03/1995		
TS	105	WO	99/64867	A1	Amersham Pharm.	12/1999		

Examiner Signature	<i>Teresa Stuebele</i>	Date Considered	3/26/03
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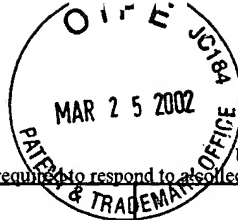
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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				Filing Date	December 12, 2001
				First Named Inventor	Chee et al.
				Group Art Unit	1656-1637
				Examiner Name	Not Yet Assigned Teresa Stnelelea
Sheet	6	of	7	Attorney Docket Number	A-67991-3/RMS/DCF

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
TS	106	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).		
	107	Anonymous, "Microsphere Selection Guide," Bandg Laboratories, (Fisher, IN) September 1998.		
	108	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, IN) February 1997.		
	109	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.		
	110	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).		
	111	Chen et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension," Genome Research, 10(4):549-557 (2000).		
	112	Czarnik, "Illuminating the SNP Genomic Code," Modern Drug Discovery, 1(2): 49-55 (1998).		
	113	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding os th April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.		
	114	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).		
	115	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).		
	116	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).		
	117	Ferguson et al., "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression," Nature Biotechnology, 14:1681-1684 (1996).		
	118	Fuh et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).		
	119	Healey et al., "Improved Fiber-Optic Chemical Sensor for Penicillin," Anal. Chem. 67(24):4471-4476 (1995).		
	120	Healey et al., "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE Proc. 2388:568-573 (1995).		
	121	Healey et al., "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).		
	122	Hirschfeld et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (1987).		
TS	123	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," Cytometry, 39:131-140 (2000).		

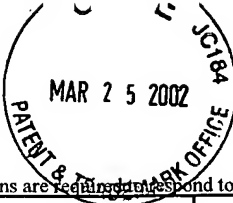
Examiner Signature	Teresa Stnelelea	Date Considered	3/26/03
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				Group Art Unit	1656-1637
				Examiner Name	Not Yet Assigned <i>Teresa Struelens</i>
Sheet	7	of	7	Attorney Docket Number	A-67991-3/RMS/DCF

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
TS	124	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarrays," Proc. SPIE, 3270: 34-41 (1998).	
	125	Michael et al., "Randomly Ordered Addressable High-Density Optical Sensor Arrays," Anal. Chem. 70(7): 1242-1248 (April 1998).	
	126	Michael et al., "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and there Use as Chemical Sensors," Proc. 3rd Intl. Symp., Microstructures and Microfabricated Systems, ed. P.J. Hesketh, et al., v. 97-5, Electrochem. Soc., 152-157 (Aug. 1997).	
	127	Mignani, et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7): 1396-1406 (1995).	
	128	Pantano et al., "Ordered Nanowell Arrays," Chem. Mater., 8(12): 2832-2835 (1996).	
	129	Peterson et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).	
	130	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).	
	131	Piunno et al., "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem., 67:2635-2643 (1995).	
	132	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspheres," SPIE, 2388:245-256 (1995).	
	133	Strachan et al., "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the Detection of Listeria," Letters in Applied Microbiology, 21:5-9 (1995).	
	134	Walt, D. "Fiber Optic Imaging Sensors," Accounts of Chemical Research, 31(5): 267-278 (1998).	
	135	Walt, "Fiber-Optic Sensors for Continuous Clinical Monitoring," Proc. IEEE, 80(6): 903-911 (1992).	
	136	Lyamichev et al., "Polymorphism identification and quantitative detection of genomic DNA by invasive cleavage of oligonucleotide probes," Nature Biotechnolgy, 17:292-296 (1999).	
	137	Shoemaker et al., "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy," Nature Genetics, 14:450-456 (1996). (A, AS, NA) added 8/1/01	
	138	Ronaghi et al., "A Sequencing Method Based on Real-Time Pyrophosphate," Science, 281:363-365 (1998).	
	139	Metzker et al., "Termination of DNA synthesis by novel 3'-modified-deoxyribonucleoside 5'-triphosphates," Nucleic Acids Research, 22(20):4259-4267 (1994).	

Examiner Signature	<i>Teresa Struelens</i>	Date Considered	3/28/03
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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